

Abstract

The invention relates to a method for automatic address allocation by control appliances (3-6) connected to a bus system (1) in a means of transport, where the control appliances (3-6) interchange data using transmission/reception units (10) via a common data bus line (2), and the control appliances (3-6) simultaneously access the data sent using the common data bus line (2). The invention also relates to a bus system (1) for carrying out the method. The object of the present invention is to provide a method and a bus system which optimizes the automatic address allocation in a bus system with a common data line. To this end, a period of address allocation is started by means of a message on the common data bus line (2). After that, the message is taken as a basis, in the period of address allocation, for electrically breaking the common data bus line (2) into individual subsections by virtue of the control appliances (4-6) which are to be addressed using a respective isolating means (9) for the purpose of electrically breaking the common data bus line (2). In addition, the control appliances (4-6) which are to be addressed place their respective transmission unit (10) at a transmission potential.

Figure 1